



ACI/045/008

M E M O R A N D U M

April 3, 1984

TO: Richard Buehler, Division of State Lands & Forestry
FROM: Pamela Grubaugh-Littig, Reclamation Engineer *pgl*
SUBJECT: Amax Magnesium Bond Estimate (Borrow Area)

I reviewed the map and submittal from Amax Magnesium for removing fill material (approximately 200,000 cy) in Section 36. As was mentioned in the letter, any topsoil will be stockpiled near the pit for reclamation. I assumed that the reclamation work will include regrading to "dress up" the area. A reclamation biologist from the Division has not visited the site, but suggests planting two different species for the west desert environment. They include:

1. Atriplex confertifolia (shadscale) \$120/ac--\$8/lb (PLS) @ 15#/ac
2. Atriplex canescens (fourwing saltbush) \$ 90/ac--\$6/lb (PLS) @ #15/ac
\$210/ac

This would be applied at a rate of 30#/ac (hand-broadcast). There are approximately 11 acres involved which would equal about \$2,310 for seeding.

The regrading cost would be:

D-8 for 8 hrs with an operator:
\$1,085/da - equipment
\$ 234/da - operating cost
\$ 120/da - operator
\$ 100 - mobilization
\$1,539 - for regrading

The amount of the reclamation estimate is:

Regrading -	\$1,539
Seeding -	\$2,310
	\$3,849
10% Contingency	\$ 385
	\$4,234 in 1984 dollars

PGL/btb
cc: M. Boucek, DOGM
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82240